IN THE CLAIMS

Please withdraw claims 1-20, 35-41, 45-59 and 66-79 without prejudice to their

consideration in a continuing application.

Please amend claims 60, 64 and 65 as shown below

Please add new claims 80-92 as shown below.

1-20. (withdrawn)

21. (original) An apparatus for boring a hole with a cutting tool and a boring

machine, comprising:

an adjustable position tool holder having a first contact surface and including a cutting

tool;

a coupling element for coupling said tool holder to the boring machine, said coupling

element being slidably coupled to said tool holder and having a second contact surface in

sliding contact with the first contact surface, said tool holder being adjustable laterally within

a range of positions relative to the coupling element; and

means for applying a frictional force between the first and second contact surfaces

which is sufficient to restrain the lateral position of the tool holder when the cutting tool is

boring a hole, but which frictional force is insufficient to restrain the lateral position of the

tool holder when the lateral position of the tool holder is adjusted.

22. (original) The apparatus of claim 21 wherein said applying means does not include a set screw.

23. (original) The apparatus of claim 21 wherein said applying means includes an electromagnetic solenoid.

24. (original) The apparatus of claim 21 wherein said applying means includes a hydraulic piston.

25. (original) The apparatus of claim 21 wherein said applying means is hydraulically actuated.

26. (original) The apparatus of claim 21 wherein said applying means is electrically actuated.

- 27. (original) The apparatus of claim 21 wherein said applying means includes a spring.
- 28. (original) The apparatus of claim 21 wherein said applying means is centrifugally actuated.

29. (original) The apparatus of claim 21 which further comprises coating one of

the first contact surface or the second contact surface to modify the friction therebetween.

(original) An apparatus for machining a hole with a boring machine,

comprising:

30.

an adjustable position tool holder having a first contact surface and including a

replaceable cutting tool;

a coupling element for coupling said tool holder to the boring machine, the coupling

element having a second contact surface in sliding contact with the first contact surface and

slidable in a linear direction, said tool holder being adjustable over a range of positions in the

linear direction relative to said coupling element for machining a hole within a corresponding

range of dimensions; and

a spring urging the first contact surface against the second contact surface to increase

the friction between the first contact surface and the second contact surface.

31. (original) The apparatus of claim 30 wherein said spring has a first position

for urging the first contact surface against the second contact surface with a first force, and a

second position for urging the first contact surface against the second contact surface with a

second force greater than the first force.

32. (original) The apparatus of claim 30 wherein at least one of the first contact

surface or the second contact surface includes thereon a surface coating for modifying the

friction between the first contact surface and the second contact surface.

33. (original) The apparatus of claim 30 wherein said tool holder is adapted and

configured to rotate along an axis, and the axis is perpendicular to the linear direction of

adjustment.

34. (original) The apparatus of claim 30 wherein the linear direction is a first

linear direction, and said spring urges the first contact surface against the second contact

surface in a second linear direction perpendicular to the first linear direction.

35-41 (withdrawn)

42. (original) An apparatus for machining a feature with a boring machine,

comprising:

an adjustable position tool holder including a cutting tool;

a coupling element for coupling said tool holder to the boring machine, said coupling

element being slidably coupled to said tool holder, said tool holder being adjustable within a

range of positions relative to said coupling element for machining a corresponding range of

features, said cutting tool holder being slidably adjustable relative to said coupling member in

a direction and being restrained by friction from sliding relative to said coupling member in

the direction; and

means for automatically actuating a variable frictional force between said cutting tool

holder and said coupling member.

43 (original) The apparatus of claim 42 wherein said automatic actuating means

includes a cam pivotally coupled to said coupling element and a spring compressed by said

cam.

44. (original) The apparatus of claim 43 which further comprises an

electromagnetic solenoid coupled to said cam, said cam pivoting in response to energizing

said solenoid.

45-59 (withdrawn).

60. (currently amended) An apparatus for machining a feature with a boring

machine, comprising:

an adjustable position tool holder having a contact surface and including a replaceable

cutting tool;

a coupling element for coupling the tool holder to the boring machine, said tool holder

being slidable in a direction relative to said coupling element, said tool holder being

adjustable over a range of positions in the direction relative to said coupling element for

machining a [hole] feature by said cutting tool within a range of dimensions that correspond

to the range of positions; and

a biasing member applying a biasing force within said apparatus [against the contact

surface] to increase a frictional force on the contact surface that restrains movement of said

tool holder relative to said coupling element in the direction of sliding.

61. (original) The apparatus of claim 60 wherein the contact surface is a first

contact surface, and which further comprises a movable member, said movable member

having a second contact surface, said biasing member urging the first contact surface against

the second contact surface.

62. (original) The apparatus of claim 61 wherein at least one of the first contact

surface or the second contact surface includes a coating to control the friction between the

first contact surface and the second contact surface.

63. (original) The apparatus of claim 60 wherein said biasing member is a spring

having a length, said coupling member defines a pocket for holding said spring, the pocket

having a depth, and the length is greater than the depth.

64. (currently amended) An apparatus for machining a feature with a boring

machine, comprising:

an adjustable position tool holder having a contact surface and including a cutting tool;

a coupling element for coupling the tool holder to a boring machine, said tool holder

being [slidably adjustable] slidable over a range of positions in a first direction relative to said

coupling element for machining a feature within a range of dimensions that correspond to the

range of positions;

a movable member within said coupling element and movable in a second direction at

least partly orthogonal to said first direction, said movable member being substantially

restrained from motion in the first direction; and

a biasing member applying a force at least partly in the second direction against said

movable member.

65. (currently amended) An apparatus for machining a feature with a boring

machine, comprising:

an adjustable position tool holder [having a contact surface and] including a cutting

tool;

a coupling element for coupling the tool holder to a boring machine, said tool holder

being slidably adjustable over a range of positions in a first direction relative to said coupling

element for machining a feature by said cutting tool within a range of dimensions that

correspond to the range of positions;

a movable member guided within said coupling element in a second direction at least

partly orthogonal to the first direction and movable within said coupling element; and

a biasing member applying a force against said movable member;

wherein said biasing member, said tool holder and said movable member are adapted

and configured such that the force from said biasing member urges [said movable member in

the first direction and urges said movable member in a said tool holder in the second

direction [at-least partly orthogonal to the first direction].

66-79 (withdrawn)

80. (new) The apparatus of claim 64 which further comprises a bearing to

facilitate sliding of said movable member relative to said coupling element in the second

direction

81. (new) The apparatus of claim 80 wherein said biasing member is a first

biasing member, and which further comprises a second biasing member urging said bearing

against said movable member.

82. (new) The apparatus of claim 64 wherein one of said coupling element or said

movable member include a surface adapted and configured for having a low coefficient of

friction to facilitate sliding of the one of said coupling element or said movable member

relative to the other of said coupling element or said movable member in the first direction.

83. (new) The apparatus of claim 64 which further comprises a bearing to

facilitate sliding of said movable member relative to said tool holder in the first direction.

84. (new) The apparatus of claim 83 wherein said bearing is interposed along the

path of the force applied by said biasing member at least partly in the second direction.

85. (new) The apparatus of claim 64 wherein one of said tool holder or said

movable member include a surface adapted and configured for having a low coefficient of

friction to facilitate sliding of the one of said tool holder or said movable member relative to

the other of said tool holder or said movable member in the first direction.

86. (new) The apparatus of claim 64 wherein one of said tool holder or said

coupling member include a surface adapted and configured for having a high coefficient of

friction to discourage sliding of the one of said tool holder or said coupling member relative

to the other of said tool holder or said coupling member in the first direction.

87. (new) The apparatus of claim 64 wherein at least a portion of the force applied

against said movable member is also applied to said tool holder and frictionally restrains the

movement of said tool holder in the first direction.

88. (new) The apparatus of claim 65 wherein said tool holder moves in the first

direction in response to urging said movable member in the second direction.

89. (new) The apparatus of claim 65 wherein said movable member includes a

first surface and said basing member urges against the first surface of said movable member.

90. (new) The apparatus of claim 89 wherein said movable member includes a

second surface and the second surface of said movable member urges against a surface of said

tool holder in response to urging by said biasing member.

91. (new) The apparatus of claim 65 wherein said movable member is guided to

move linearly within said coupling element.

92. (new) The apparatus of claim 65 wherein the force applied by said biasing

member is sufficient to frictionally restrain movement of said tool holder in the first direction.